

Five Passenger, Model 21, Haynes Car. Price, \$2300 delivered.

1912

# Haynes Automobile

## Specifications Haynes Model 21

Frame. Pressed steel channel, 4x1½ inch, offset 3 inches in front.

Wheel Base. 120 inches.

Motor. 4½ inch bore, 5½ inch stroke; T-head Haynes type cylinders cast in pairs, offset ½ inch. Flexible four-point suspension.

Ignition. Eisman dual magneto, with dry cells for starting.

Carburetor. Stromberg 1½ inch. Model B.

Lubrication. Splash and force feed, oil reservoir in lower half of crank case and filled through bleed-off pipe in center of crank-case.

Control. Stationary quadrant at top of steering post; short lever for spark, long for throttle; also foot accelerator.

Steering Column. Worm-and-gear type, Timken roller bearings on shaft, corrugated hard black rubber rim, aluminum spider, 18-in. wheel.

Clutch. Haynes contracting steel band on bronze drum. Supported by crank shaft. Easily adjusted and lubricated.

Transmission. Selective type, three speeds forward, one reverse. Timken roller bearings. Operated through H-slotted bracket with levers inside of body. Supported from two rear arms on engine brace.

Propeller-Shaft. Forged. Two universal joints, metal encased, and packed with hard oil.

Rear Axle. Timken full floating type, pressed steel housing supporting full weight of car. Shaft, nickel steel.

Front Axle. Single piece I-beam 2-inch, drop forged. Spring seat forged integral. Spindles 5-16-inch diameter. Timken roller bearings.

Wheels. Artillery type wood, twelve spokes front and rear. Boss spokes alternating in rear wheels. Dorian remountable rims.

Tires. Goodyear straight side or Q. D. clincher 36x4 inch, front and rear.

Springs. Front semi-elliptic; 40 inches long, 2 inches wide, 7 leaves; rear, 41½ inches long, 2 inches wide, 6 leaves. Fitted with grease cup, both front and rear.

Brakes. Internal and external on rear wheels. Drum 14x2½ face. Disappearing foot pedal operates external service brakes, and lever on right-hand side of front seat operates internal emergency brake.

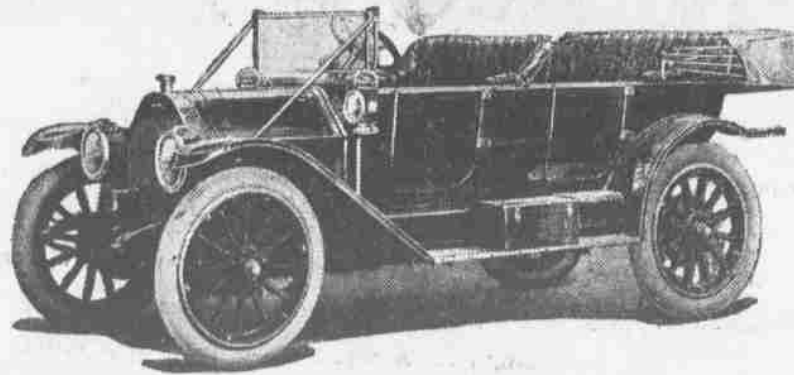
Body. Three-ply laminated poplar, fore-door. Black hand buffed leather upholstery, spring backs to both seats filled with super-extra curled hair.

Colors. Body black same as body. All metal in color. Body black, 1½ coats of paint, all hand rubbed. Wheels black same as body. All metal equipment, gun metal, black enamel and nickel.

Equipment. See Model 21, right-hand column.

**H**AYNES superiority has been built up all the way from the cradle days of motoring—not absorbed from what others had learned or heard or read about the building of automobiles, but established, from year to year throughout eighteen years, on Haynes experience in Haynes laboratories, Haynes shops, Haynes testing rooms and the records of Haynes cars in service. And the 1912 Haynes car, product of America's oldest and most experienced automobile manufacturers, has reached a point of perfection and refinement which would seem to leave little or nothing that even Haynes skill can hope to attain in the future.

Consider the Haynes Model 21, five-passenger, 40-horse power touring car, fully equipped, at \$2100—compare it, part by part, dimension by dimension, with any of the highest priced cars; then you'll realize we build Haynes cars to satisfy the most critical buyers and that we do not charge for experience and prestige.



Four Passenger, Model 21, Haynes Car. Price, \$2200 delivered.

The Haynes car for 1912 does not differ radically from the 1911 Haynes, but all our models are bigger in every way, and more powerful. The time-tested, sweet-running Haynes motor has been built with greater stroke and bore, giving more power, greater flexibility and decreased vibration. The wheel base has been lengthened. Larger brakes, giving 1 square inch braking surface to every 13 lbs. of car. And with these improvements there are many refinements in style, such as the rich black body and running gear, with black enamel and nickel trimmings throughout. The 1912 Haynes is now ready for delivery. You can see the new models at our branches and agencies.

## The OLDEST Car from the NEWEST factory

The occupancy of our magnificent new factory, replacing the old plant which was destroyed by fire last February, gives us completely modern equipment, much larger floor space and very generally bettered facilities for the manufacture of the superb Haynes. It also enables us to meet the demands of our dealers and patrons for a wider line. We take pride, therefore, in announcing to the trade and public the following Haynes 1912 models:

Haynes 40 Touring Car, Model 21, Five-Passenger, \$2100. Regular Equipment: Eisman dual magneto, Stromberg Model B Carburetor, silk mohair top, wind shield, Prest-O-Lite tank, five lamps, Warner 60-mile dial Speedometer, extra Dorian Remountable Rim, Tanner automatic gasoline gauge. Full specifications given in left-hand column.

Haynes 40 Close-Couple Model 21, Four-Passenger, \$2100. Regular Equipment, same as Model 21 Touring.

Haynes 40 Limousine, Model 21, \$2750. Combination electric and oil lighted, fully equipped.

Haynes 40 Colonial Coupe, Model 21, \$2450. Combination electric and oil lighted. Fully equipped.

Haynes 50-60, 7-Passenger Touring Car, Model Y, \$3000. Not a better car than our Model 21, but bigger, roomier, and higher-powered. Built for buyers who could pay two or three thousand more for such a car, but who won't do it as long as Model Y is in the market. Wheel base 127½ inches. Motor, 5-inch bore, 5½-inch stroke, flexible 4-point suspension. Write for catalogue for other detail specifications. Regular equipment, same as Model 21 Touring.

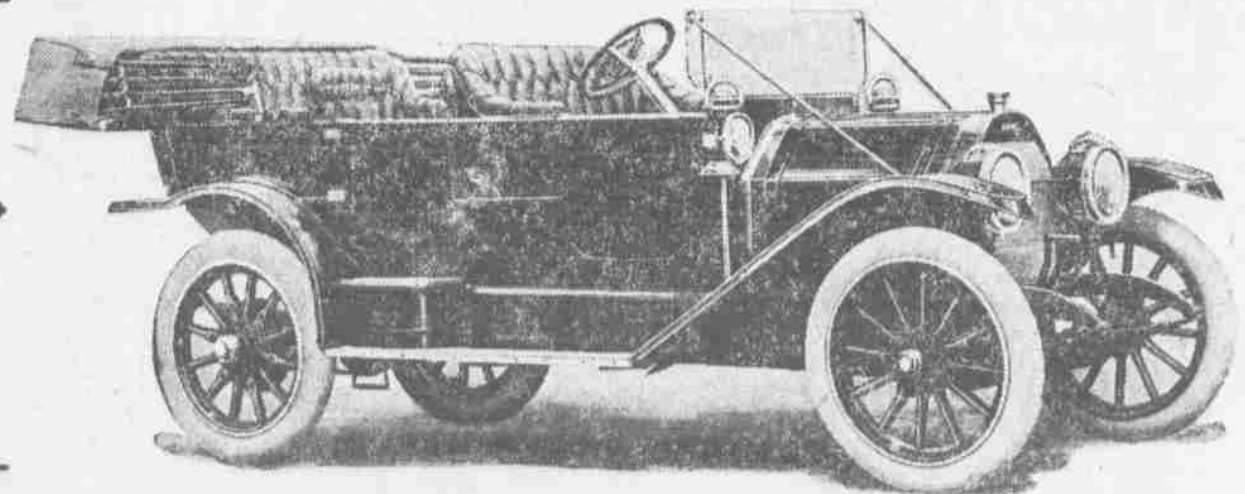
Haynes Model Y Limousine, 50-60 H. P., \$3800. Combination electric and oil lighted. Fully equipped.

All models are so designed as to accommodate dynamo electric lighting equipment, which we will install for purchasers at nominal cost.

## Haynes Automobile Co.

NEW YORK  
1715 Broadway.

KOKOMO, INDIANA CHICAGO  
1702 Michigan Ave.



Seven Passenger, Model Y, Haynes car. Price, \$3200 delivered.

# J. A. GILMAN,

Agent for Hawaiian Islands  
HONOLULU